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Dated: June 13, 2002

Signature:

*Sharon M. Sintich*  
Sharon M. Sintich

TECH CENTER 1600/2900

Docket No.: 28110/35878A  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Dennis G. Ballinger, et al.

Application No.: 10/082,902

Group Art Unit: 1647

Filed: February 26, 2002

Projected Examiner: C. Saoud

For: GROWTH FACTOR ANTAGONIST  
MATERIALS AND METHODS

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

Submitted herewith is a form PTO/SB/08 listing several documents. Copies of all documents have been submitted in the parent application no. 09/370,398 filed August 6, 1999 and thus pursuant to 37 CFR §1.98(d), copies are not submitted herewith.

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein constitutes prior art under 35 USC §102 or §103.

In accordance with 37 CFR §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.98 and the Examiner is respectfully requested to consider the listed references.

No fee is believed to be due under 37 CFR §1.97 (b) because this statement and form PTO/SB/08 are being submitted before receipt of a first office action on the merits in the above-identified patent application. However, the Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 13-2855. A duplicate copy of this paper is enclosed.

Dated: June 13, 2002

Respectfully submitted,

By Sharon M. Sintich  
Sharon M. Sintich

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Attorneys for Applicant

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	10/082,902
Filing Date	February 26, 2002
First Named Inventor	Dennis G. Ballinger
Art Unit	1647
Examiner Name	Not Yet Assigned
Sheet	1
of	2
Attorney Docket Number	28110/35878A

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> Number <sup>5</sup> Kind Code <sup>6</sup> (if known)				
A	-WO 00/15781-		03-23-2000			
B	-WO 98/20032-		05-14-1998			

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
C	CASCI et al., <i>Sprouty, an Intracellular Inhibitor of Ras Signaling</i> , Cell 96(5): 655-665 (March 1999).		
D	de MAXIMY et al., <i>Cloning and Expression Pattern of a Mouse Homologue of Drosophila Sprouty in the Mouse Embryo</i> , Mechanisms of Development 81: 213-216 (1999).		
E	HACOHEN et al., <i>Sprouty Encodes a Novel Antagonist of FGF Signaling that Patterns Apical Branching of the Drosophila Airways</i> , Cell 92: 253-263 (January 23, 1998).		
F	IMPAGNATIELLO et al., <i>Mammalian Sprouty-1 and -2 Are Membrane-Anchored Phosphoprotein Inhibitors of Growth Factor Signaling in Endothelial Cells</i> , The Journal of Cell Biology 152(5): 1087-1098 (March 5, 2001).		
G	KRAMER et al., <i>Sprouty: a Common Antagonist of FGF and EGF Signaling Pathways in Drosophila</i> , Development 126: 2515-2525 (May 1999).		
H	LEE et al., <i>Inhibition of Angiogenesis by a Mouse Sprouty Protein</i> , The Journal of Biological Chemistry 276(6): 4128-4133 (February 9, 2001).		
I	METZGER et al., <i>Genetic Control of Branching Morphogenesis</i> , Science 284: 1635-1639 (June 4, 1999).		
J	MINOWADA et al., <i>Vertebrate Sprouty Genes are Induced by FGF Signaling and can Cause Chondrodysplasia When Overexpressed</i> , Development 126: 4465-4475 (September 27, 1999).		
K	PLACZEK and SKAER, <i>Airway Patterning: A Paradigm for Restricted Signaling</i> , Current Biology 9: R506-R510 (1999).		
L	REICH et al., <i>Sprouty is a General Inhibitor of Receptor Tyrosine Kinase Signaling</i> , Development 126: 4139-4147 (August 23, 1999).		
M	TEFFT et al., <i>Conserved Function of mSpry-2, a Murine Homolog of Drosophila Sprouty, Which Negatively Modulates Respiratory Organogenesis</i> , Current Biology 9: 219-222 (1999).		
N	WONG et al., <i>Evidence for Direct Interaction Between Sprouty and Cbl</i> , The Journal of Biological Chemistry 276(8): 5866-5875 (February 23, 2001).		
O	LIM et al., <i>Sprouty Proteins Are Targeted to Membrane Ruffles upon Growth Factor Receptor Tyrosine Kinase Activation</i> , The Journal of Biological Chemistry 275(42): 32837-32845 (October 20, 2000).		

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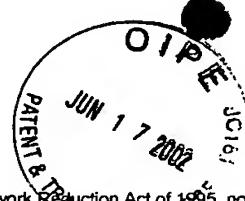
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Examiner Name	Not Yet Assigned		
Attomey Docket Number	28110/35878A		

Sheet 2 of 2

P	SASAKI et al., <i>Identification of a Dominant Negative Mutant of Sprouty That Potentiates Fibroblast Growth Factor-but Not Epidermal Growth Factor-induced ERK Activation</i> , The Journal of Biological Chemistry 276(39): 36804-36808 (September 28, 2001).	
Q	YIGZAW et al., <i>The C Terminus of Sprouty Is Important for Modulation of Cellular Migration and Proliferation</i> , The Journal of Biological Chemistry 276(25): 22742-22747 (June 22, 2001).	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.